

REMARKS

Applicants appreciate the Examiner's thorough review of the present application, and respectfully request reconsideration in light of the preceding amendments and the following remarks.

Claims 1-5 and 11-22 are pending in the application. Claim 6 and non-elected claims 7-10 have been cancelled. Claims 1 and 4 have been amended to better define the invention. Claims 11-20 have been added to provide Applicants with the scope of protection to which they are believed entitled. No new matter has been introduced through the foregoing amendments.

*Claim 1-6 are rejected under 35 U.S.C. 102(b)
as being anticipated by any of Fox et al., Sawdai or Ruppel et al.*

The cleaning substrate of the present invention, as now recited in amended claim 1, is used for cleaning and regenerating a mold having a contaminated material layer formed on the mold cavity thereof after continuously repeating a molding process (page 4, lines 19-20). Applicant respectfully contends that none of the cited references or their combinations teach or suggest the cleaning substrate including at least a *protrusion which can be contained within the edges of the mold cavity of the mold*.

It is acknowledged that each of Fox et al., Sawdai or Ruppel et al. discloses a paper layer with protrusions extending from both sides. However, none of the cited references teach or suggest that the protrusions of the paper layer must be capable of being contained within the edges of the mold cavity of the mold when the paper layer is placed in the mold, *as presently claimed*. The claimed feature is significant in that the protrusion of the claimed substrate can effectively reduce the volume of the mold cavity thereby saving the amount of cleaning compound in the cleaning process.

Therefore, Applicant respectfully submits that the cited references fail to teach or disclose each and every limitation of claim 1. The 35 USC § 102(b) rejection of claim 1 is not well founded, and should be withdrawn.

Claims 2-6 depend from claim 1 and are considered patentable for at least the reason advanced above with respect to amended claim 1. In addition, claim 3 is patentable over the cited references on its own specific merit since it recites a feature of using a paper cleaning substrate in cleaning and regenerating a mold, which is not taught, shown or disclosed in the cited prior art. Conventionally, a cleaning substrate of **metal** is used in cleaning and regenerating a mold. The invention can significantly reduce material cost by using a paper cleaning substrate in cleaning and regenerating a mold, as presently claimed.

New independent 11 is patentable over the applied art of record because the art fails to disclose, teach or suggest a cleaning substrate for use in cleaning a semiconductor packaging mold having a plurality of mold cavities, said substrate comprising a strip of paper having on an upper surface thereof a plurality of raised portions arranged to be spaced from each other, in a single row, longitudinally of said strip, as presently claimed. See Fig. 3 of the instant application. Claims 12-14 and 22 are patentable over the art for the same reason.

New independent claim 15 is patentable over the applied art of record because the art fails to disclose, teach or suggest a combination of a cleaning substrate and a semiconductor packaging mold, as presently claimed. Claims 16-21, dependent on claim 15, are patentable over the art for the same reason.

Each of the Examiner's rejections has been traversed. Accordingly, Applicants respectfully submit that all claims are now in condition for allowance. Early and favorable indication of allowance is courteously solicited.

The Examiner is invited to telephone the undersigned, Applicant's attorney of record, to

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 07-1337 and please credit any excess fees to such deposit account.

Respectfully submitted,

LOWE HAUPTMAN GILMAN & BERNER, LLP



Randy A. Noranbrock *for:* Benjamin J. Hauptman
Registration No. 42,940 Registration No. 29,310

USPTO Customer No. 22429
1700 Diagonal Road, Suite 310
Alexandria, VA 22314
(703) 684-1111 BJH/KL/klb
(703) 518-5499 Facsimile
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